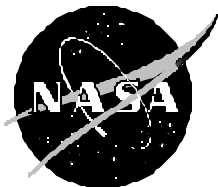# VERSION DESCRIPTION DOCUMENT

FOR THE

CONSOLIDATED AGENCY PERSONNEL/PAYROLL SYSTEM

Software Release

4.5

PrISMS Contract

04/11/01

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, Alabama   35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
CONSOLIDATED AGENCY PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 4.5**

Prepared by

_____	04/11/01
Desiree Gaiser	Date
Technical Lead	

Reviewed by

_____ 04/11/01		_____ 04/11/01	
Billy Graham	Date	Jim Cofer	Date
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_____ 04/11/01		_____ 04/11/01	
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Prepared by

Computer Sciences Corporation, Contract NAS8-60000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

April 11, 2001

VERSION DESCRIPTION DOCUMENT
FOR THE
CONSOLIDATED AGENCY PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 4.5

Approved by

	04/11/01
Sheila Fogle	Date
Consolidation Center Project Manager	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, AL

April 11, 2001

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APPENDICES

1.   INTRODUCTION

This Version Description Document (VDD) identifies the exact version of the Consolidated Agency Personnel/Payroll System (CAPPS) software released for installation/implementation.

1.1   IDENTIFICATION OF THE RELEASE

System Name – CAPPS

Release Number – Software Release 4.5

Support of the previous release expires 30 days after the scheduled release date. This release must be implemented before processing center submissions for pay period ending April 7, 2001.

1.2   PURPOSE OF THE RELEASE

The purpose of this release is to implement the CAPPS software allocated for this release. The detailed description of the release is specified in Appendix C, Functional Change Validation Procedures.

1.3   SCOPE OF THE RELEASE

The VDD provides the functional and technical user of CAPPS with the following information regarding changes to the contents and status of the application, CAPPS Release 4.5, including the following:

- Changes implemented since the last release

- References to other documents affected by this release

- Changes to application files and data formats

- Detailed software installation procedures

- Validation procedures to ensure the reliability of the software changes.

1.4 CONTACT POINTS

Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) provides sustaining engineering for CAPPS through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (use the following Key Words: SESAAS & CAPPS)

    Telephone: (256) 544-5516

    E-Mail: billy.graham@msfc.nasa.gov

    FAX: (256) 544-1836

2. <u>FUNCTIONAL INFORMATION</u>

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Predict changes related to this release.

2.2 FUNCTIONAL INTERFACES

Not Applicable

2.3 CRITICAL ISSUES

Not Applicable

2.4 AFFECTED DOCUMENTS

Not Applicable

2.5 APPLICATION SYSTEM ADMINISTRATION

Not Applicable

3.   TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration.

3.1   TECHNICAL SYSTEM INTERFACES

Not Applicable

3.1.1 NPPS Interface

There are no changes to the NPPS Interface with this release.

3.1.2 OPM Interface

There are no changes to the OPM interface with this release.

3.2   DATA DICTIONARY CHANGES

Not Applicable

3.3   SOFTWARE OBJECT CHANGES

Modified programs are specified in Paragraph 3.2 of Appendix D, Installation Instructions.

3.4   DATABASE ADMINISTRATION

The specific database administration activities for CAPPS 4.5 are detailed in Appendix D, Installation Instructions.

3.4.1   Release Dataset Names

The datasets for Software Release 4.5 are included in the Introduction of Appendix D, Installation Instructions.

3.4.2   Inventory of Objects

An inventory of objects is described in Paragraph 3.2 of Appendix D, Installation Instructions.

3.4.3 Storage Considerations

Not Applicable

3. 4.4 Installation Procedures

Refer to Appendix D, Installation Instructions, for detailed installation procedures.

3.5   OPERATIONAL PREPARATION

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release.

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

ADP   Automated Data Processing

BJS   Batch Job Submitter

CAPPS   Consolidated Agency Personnel/Payroll System

DBA   Database Administrator

DDM   Data Definition Module

DR   Discrepancy Report

IRM   Information Resources Management

JCL   Job Control Language

MSFC   Marshall Space Flight Center

NACC   NASA ADP Consolidation Center

NASA   National Aeronautics and Space Administration

RC   Requirements Change

SESAAS   Sustaining Engineering Support for Agencywide Administrative
            Systems

SRS   System/Software Requirements Specification

UOG   User Operations Guide

VDD   Version Description Document

APPENDIX B
GLOSSARY

GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of an application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

VALIDATION PROCEDURES
SOFTWARE RELEASE 4.5

1. **20000003**

   A. **Purpose**: To determine the encryption method to be used to FTP CPDF information to OPM and to determine what changes need to be made to CAPPS in order to FTP the data.

   B. **Test Procedure**:

   No changes have been made to CAPPS modules. Testing of the CPDF data encryption and transfer process to OPM has been completed. There is no additional test procedure to be performed.

   C. **Validation**:

   None

2. **20000007**

   A. **Purpose**: To provide the capability to run certain CAPPS reports by centers. This capability is to be restricted to certain user(s). The reports are:

   1) C80
   2) E41
   3) E42
   4) E43
   5) E51
   6) F40
   7) H60
   8) L60
   9) S40
   10) S41
   11) T40
   12) X40
   13) X60

   B. **Test Procedure**:

   1) From the CAPPS Main Menu, go into the Batch Job Submitter, then into Job Scheduling.

   2) Select each of the above report jobs.

3) On the parameter screen, select to run the report for installation-only.

4) On the "INSTALLATION DESIRED" window, enter a valid installation number.

C. **Validation**:

1) Verify that the reports are produced only for the installation requested.

3. **20000008**

A. **Purpose**: To provide the capability to change the print destination when submitting a report job.

B. **Test Procedure**:

1) From the CAPPS Main Menu, go into the Batch Job Submitter, then into Job Scheduling.

2) Select a report job and change any desired parameter data.

3) On the "SUBMIT IMMEDIATELY" window, clear the "PRINTER DESTINATION" field and then enter the desired printer ID.

C. **Validation**:

1) Verify that the report went to the desired printer.

4. **20010001**

A. **Purpose**: To correct a heading problem on the C80 report. On the agency-wide report, when the installation has changed, the heading on the fourth line of the C80A report has not changed.

B. **Test Procedure**:

1) From the CAPPS Main Menu, go into the Batch Job Submitter, then into Job Scheduling.

2) Select the C80 report job.

3) On the parameter screen, select to run the report for agency-wide.

C. **Validation**:

1) Verify that when the installation changes, the heading changes on the fourth line of the C80A report.

5. **20010002**

A. **Purpose**: To print missing headings and data on the E41 report. For the first installation on the agency-wide report and for an installation-only report, the first page of the E41A report is missing headings and data.

B. **Test Procedure**:

1) From the CAPPS Main Menu, go into the Batch Job Submitter, then into Job Scheduling.

2) Select the E41 report job.

3) On the parameter screen, select to run the report for agency-wide.

4) In another execution, run the report for one installation.

C. **Validation**:

1) Verify that for the first installation on the agency-wide report, the first page of the E41A report shows the column "TOTAL WORK FORCE".

2) Verify that on the installation-only report, the first page of the E41A report shows the column "TOTAL WORK FORCE".

6. **20010003**

A. **Purpose**: To add a warning message to the CAPPS online system.

B. **Test Procedure**:

Logon to CAPPS.

C. **Validation**:

1) Verify that the first banner screen has a warning message ("WARNING! This is a U. S. government computer….") before the "PRESS ENTER TO CONTINUE THE CAPPS LOGON" message.

CONSOLIDATED AGENCY PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 4.5
APRIL 2001

The purpose of this release is to implement the changes allocated to software release 4.5 described below.

SOFTWARE RELEASE 4.5

RC 1620s IMPLEMENTED

20000003	Electronic Transmission of CPDF to OPM
20000007	Produce Reports by Installation
20010003	Add Government Banner Message

***** RECORD COUNT = 03

DR 1620s IMPLEMENTED

20000008	Change Print Destination
20010001	Incorrect Heading on C80 Report
20010002	E41 Report Missing Data and Headings

***** RECORD COUNT = 03

APPENDIX D
INSTALLATION INSTRUCTIONS

**CONSOLIDATED AGENCY PERSONNEL PAYROLL
SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 4.5
April 2001**

Introduction

Release Date – April 11, 2001

Release Inventory:

Dataset Names:

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- MSMOV.CAPPS.PROD.R450.R0411.SRC
- MSMOV.CAPPS.PROD.R450.R0411.DOC

Physical media:
    VDD

In case of installation problems contact the NACC Technical Services Center (Use following Key Words: SESAAS & CAPPS):

Telephone: (256) 544-5516
E-Mail: billy.graham@msfc.nasa.gov
Fax: (256) 544-1836

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. Applicable sections are listed in the Installation Checklist.

 1.0 Backup Existing Data
 2.0 Copy Source/Object Code
 3.0 Pre-Predict Data Conversion
 4.0 Install Predict
 5.0 Catalog Source Code
 6.0 Post-Predict Data Conversion
 7.0 JCL/BJS Modifications
 8.0 Special Instructions
 9.0 Installation Checklist

1.0   BACKUP EXISTING DATA

It is advisable to back up all CAPPS files as a precautionary measure prior to installation of software release.

2.0   COPY SOURCE/OBJECT CODE

2.1   Copy Source Modules

When installing software release 4.5, load the CAPPS new and modified programs from dataset MSMOV.CAPPS.PROD.R450.R0411.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library CAPPS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type

Global Data Areas   0
Local/Param Data Areas   0
Maps   1
Helproutines   0
Subroutines   0
Subprograms   1
Programs   4
Copycode   0
Text   0
Process   0
Miscellaneous Objects   0
==============================
Total Programming Objects   6
Total Views Unloaded   0
Total Objects Read   6
Total Object Unloaded   6

2.2   List of Source Code Modifications

The following is a list of all modules that were modified for the software release 4.5.

PROGRAM	DESCRIPTION
BJSNJOB2	BJS Job Submittal
BJSPC270	Data Stack Program
CAPM0000	Security Banner Map
CAPPE41A	Extract Data for Report E41
CAPP0C80	Print Program for Report C80
CAPP0E41	Print E41 Report

RELEASE PROGRAMS (MOD) ==> 06

2.3   List of Source Code Additions

Not Applicable

2.4   List of Source Code Deletions

Not Applicable

3.0   PRE-PREDICT DATA CONVERSION

Not Applicable

4.0   INSTALL PREDICT

Not Applicable

5.0   CATALOG SOURCE CODES

When installing software release 4.5, run a batch job to catalog (CATALL) all modules in the CAPPS or other named library. It is not necessary to catalog the Global Data Area. The Batch standard parameters should be used for the compile.

After objects are compiled, the CAPPS application will run under the On-line standard parameters.

6.0   POST-PREDICT DATA CONVERSION

Not Applicable

7.0   JCL/BJS MODIFICATIONS

JCL

JREG
1. //#JOBNAME JOB (AGAOHCAPP002),'#LIBRARY',MSGCLASS=J,CLASS=L,
    (JOB statement MSGCLASS changed from A to J)
2. //CMPRT01 DD SYSOUT=A,DCB=(LRECL=133,RECFM=FBA,BLKSIZE=1330),
    (STEP1 CMPRT01 SYSOUT changed from D to A)

JREGFT
1. //#JOBNAME JOB (AGAOHCAPP002),'#LIBRARY',MSGCLASS=J,CLASS=L,
    (JOB statement MSGCLASS changed from A to J)
2. //CMPRT01 DD SYSOUT=A,DCB=(LRECL=133,RECFM=FBA,BLKSIZE=1330),
    (STEP1 CMPRT01 SYSOUT changed from D to A)

BJS

Not Applicable

8.0   SPECIAL INSTRUCTIONS

The following is a list of steps to update the CAPPS release number.

1.   Execute program CAPP1525 from the Natural Command line.

2.   Enter "04.5 0.00" when the program requests the release number.

3.   Verify that the correct release number is displayed by viewing the CAPPS logo screen after logging on to CAPPS.

9.0   INSTALLATION CHECKLIST

1.0   Back Up Existing Data
2.0   Copy Source/Object Code
5.0   Catalog Source Code
7.0   JCL/BJS Modifications
8.0   Special Instructions